

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product name:	Exit Pour On
Product code:	A009415
Recommended use:	For the control of body lice on all breeds of sheep and for the control of flystrike in coarse wool breeds.
Company details:	Boehringer Ingelheim Animal Health New Zealand Limited
Address:	Level 3, Boehringer Ingelheim Building 2 Osterley Way Manukau City Auckland 2104 New Zealand
Telephone number:	Phone: +64 9 263 1400
Emergency telephone number:	Boehringer Ingelheim Freephone: 0800 800 822 National Poisons Centre : 0800 764 766 (0800 POISON) Fire Service, Ambulance : Dial 111
Date of preparation:	28 April 2006

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Liquid

Product components:

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Triflumuron	64628-44-0	25
Solvent: 1-Methyl-2-pyrrolidinone	872-50-4	290
Other		to 1L

SECTION 3: HAZARDS IDENTIFICATION

Hazard classifications:	3.1D, 6.3A, 6.4A, 6.8A, 6.9B, 9.1B, 9.4B
Priority and secondary identifiers:	WARNING Dangerous to the environment WARNING Combustible liquid
Risk and safety phrases:	3.1D Combustible liquid. Do not use or store near heat or open flame. 6.3A May cause skin irritation. Avoid skin contact. 6.4A May cause eye irritation. Avoid contact with eyes. 6.8A 1-methyl-2-pyrrolidinone may affect development and/or reproduction. Handle with care. 6.9B Triflumuron possibly may affect the blood and haematopoietic system. Handle with care. 9.1B Toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. 9.4B Toxic to terrestrial invertebrates. Avoid release to the environment.

SAFETY DATA SHEET

Product Name: EXIT Pour On

Page 2 of 5
Reviewed on: 4 February 2020

SECTION 4: FIRST AID MEASURES

Necessary first aid measures:

For advice contact the National Poisons Centre on 0800 POISON (0800 764 766), or a doctor immediately.

Ingestion: If swallowed seek medical attention. Do NOT induce vomiting.

Eyes: If splashed in eyes wash out immediately with water.

Skin: If skin or hair contact occurs remove contaminated clothing and flush skin and hair with running water.

Inhalation: Remove to fresh air.

Workplace facilities:

No special facilities required.

Required instructions:

Observe good work practices and avoid skin and eye contact. Wash hands and exposed skin before meals and after use. Do not eat or drink while using. Launder protective clothing separately from other clothing, and before each reuse.

Notes for medical personnel:

Apply symptomatic therapy. Note the nature of the product.

SECTION 5: FIRE FIGHTING MEASURES

Type of hazard:

Combustible liquid

Fire hazard properties:

Combustible [estimated flashpoint is 88°C cc].
Hazardous fumes when heated to decomposition.

Regulatory requirements:

Not applicable

Extinguishing media and methods:

Extinguish using sprayed water jet, foam, dry powder, CO₂, sand. Do not allow fire water to enter drains. 2/500L fire extinguishers required.

Hazchem code:

2X

Recommended protective clothing:

When fighting a major fire wear full protective clothing including breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency procedures:

Wear suitable protective clothing. Restrict access to contaminated area. Contain the spill and prevent further dispersion. Retrieve intact containers from site. Place damaged containers into containment devices. Absorb spills with inert material and place in waste containers. Wash the area with water and absorb with further inert material. Collect spilled material and place in sealable containers for subsequent disposal. Prevent contamination of water courses or sewers. Dispose of waste safely.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:

Apply with well-maintained and calibrated equipment. Handle with care.

Regulatory requirements:

N/A

Handling practices:

N/A

Approved handlers:

Not required

Conditions for safe storage:

Store below 30°C, in original container, tightly closed. Keep out of

SAFETY DATA SHEET

Product Name: EXIT Pour On

Page 3 of 5
Reviewed on: 4 February 2020

Store site requirements:	reach of children. This substance is subject to a requirement for an emergency management plan, secondary containment and signage whenever it is held in quantities of 1000L or more. See Hazardous Substances (Emergency management) regulations 25 to 42.
Packaging:	Packaging Schedule 3 (UN Packing Group III) for quantities >1L (Hazardous Substances Packaging Regulations 2001).

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Workplace exposure standards:	1-Methyl-2-pyrrolidinone TWA 25 ppm, 103 mg/m ³ STEL 75 ppm, 309 mg/m ³
Application in the workplace:	Dusts 10mg/m ³ Prevent exposure by using engineering controls, personal protective equipment and work practices that prevent skin and eye contact.
Exposure standards outside the workplace:	TELS and EELs are not set at this time.
Engineering controls:	Ensure ventilation maintains levels below WES.
Personal protection:	Clothing should consist of overalls with long sleeves and impervious gloves to avoid skin contact. Wear eye protection (eg. goggles or face shield).
References:	N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specify product data:	<u>Formulation type:</u> Solution <u>Appearance:</u> Clear dark blue liquid <u>Specific gravity:</u> ~ 0.98 g/mL <u>Boiling Point:</u> Not available <u>Vapour Pressure:</u> NA <u>Solubility in Water:</u> Miscible with water
Required specifications:	N/A
Further specifications:	N/A
Specific advice:	N/A

SECTION 10: STABILITY AND REACTIVITY

Stability of the substance:	Stable under normal conditions of use and storage.
Conditions to avoid:	Avoid storage at high temperatures. Avoid contact with ignition sources.
Material to avoid:	Incompatible materials: Class 1 substances (explosives) Class 2 substances (flammable gases) Class 3.2 substances (flammable liquids) Class 4 substances (flammable solids) Class 5 substances (oxidising agents)
Hazardous decomposition products:	No hazardous decomposition products are expected, except when heated to decomposition.
Hazardous polymerization:	Components are not expected to form hazardous polymers.
Specific data:	N/A

SAFETY DATA SHEET

Product Name: EXIT Pour On

Page 4 of 5
Reviewed on: 4 February 2020

SECTION 11: TOXICOLOGICAL INFORMATION

Data and interpretation:

May cause skin irritation. May cause eye irritation.

Danger of serious damage to health by prolonged exposure if swallowed. The solvent, 1-methyl-2-pyrrolidinone, may affect development and/or reproduction. Triflumuron possibly may affect the blood and haematopoietic system.

Summaries data:

Triflumuron: Triflumuron is a chitin synthetase inhibitor which disrupts insect exoskeleton formation. Since this enzyme is not present in mammals, triflumuron has very low toxicity to mammals [Oral LD₅₀ (rat) >5000 mg/kg, Dermal LD₅₀ (rat) >5000 mg/kg].

A repeated oral dose study in rats revealed significant reductions in hemoglobin concentration and mean cell hemoglobin concentration resulting in the development of macrocytic hypochromic anemia.

1-Methyl-2-Pyrrolidinone: Low acute toxicity [LD₅₀ (oral, rabbit) 3500mg/kg; LD₅₀ (dermal) >8000 mg/kg]. In reproductive studies in laboratory animals, repeated dose exposure from mating to weaning was associated with lower pup body weights, reduced fertility and fecundity, reduced litter sizes, reduced pup survival, resorptions and malformations, (NOEL 50mg/kg/d). Irritant to skin and eyes.

SECTION 12: ENVIRONMENTAL INFORMATION

Potential environmental interactions:

Toxic to aquatic organisms. Toxic to terrestrial invertebrates.

Data organisation :

Triflumuron: Triflumuron is a chitin synthetase inhibitor which disrupts insect exoskeleton formation. Toxic to aquatic species [LC₅₀ 0.225 mg/L (48h) *Daphnia magna*]. Toxic to bees. Triflumuron is not expected to persist.

Environmental risk and safety phrases:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Triflumuron 2.5%)

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal information :

Preferably dispose of the product by use. Otherwise dispose of product and packaging (crush or puncture empty container) at an approved landfill or other approved facility. Avoid contamination of any water source. Burn empty container in an appropriate incinerator, if circumstances such as wind direction permit. Do NOT use container for any other purpose.

SECTION 14: TRANSPORT INFORMATION

Relevant information:

Dangerous Goods for transport.
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Triflumuron 2.5%)
UN Number: 3082
Dangerous Goods Class: 9

The maximum quantity per package of this substance allowed for carriage on public transport is 1L.

Other requirements:

N/A

SAFETY DATA SHEET

Product Name: EXIT Pour On

Page 5 of 5
Reviewed on: 4 February 2020

SECTION 15: REGULATORY INFORMATION

Regulatory status:

Registered pursuant to the ACVM Act 1997, No. A009415
See www.foodsafety.govt.nz for registration conditions

Approved pursuant to the HSNO Act, Approval Code HSR002233
See www.epa.govt.nz for approval conditions

SDS is required for quantities greater than or equal to 1L

HSNO and ACVM controls:

Refer to Section 3

List exposure limits:

N/A

SECTION 16: OTHER INFORMATION

Additional information:

For product information visit the Boehringer Ingelheim website
www.boehringer-ingelheim.co.nz

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